

*If you are using a printed copy of this procedure, and not the on-screen version, then you **MUST** make sure the dates at the bottom of the printed copy and the on-screen version match. The on-screen version of the Collider-Accelerator Department Procedure is the Official Version. Hard copies of all signed, official, C-A Operating Procedures are available by contacting the ESSHQ Procedures Coordinator, Bldg. 911A*

C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

4.120.124.j.c ATF Laser Facility Crash Tests

ATF OPM Procedures in which this Attachment is used.		
4.120.124		

Hand Processed Changes

<u>HPC No.</u>	<u>Date</u>	<u>Page Nos.</u>	<u>Initials</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Approved: _____ *Signature on File* _____
 Physics Department Chair Date

V. Castillo

4.120.124.j.c ATF Laser Facility Crash Tests

ATF ANNUAL ACCEPTANCE TEST PROTOCOL

Division A Software Filename and Checksum: Title: _____ Checksum: _____

Division B Software Filename and Checksum: Title: _____ Checksum: _____

Initial testing complete:

Test Team Leader's Name (Print): _____ Life Number: _____

Test Team Leader's Name (Sign): _____ Date: ____/____/____

Acceptance test procedure complete (following repairs and retesting if required):

Test Team Leader's Name (Print): _____ Life Number: _____

Test Team Leader's Name (Sign): _____ Date: ____/____/____

Test results reviewed by:

Safety Section Head's Name (Print): _____ Life Number: _____

Safety Section Head's Name (Sign): _____ Date: ____/____/____

Test results accepted by Radiation Safety Committee:

RSC Member's Name (Print): _____ Life Number: _____

RSC Member's Name (Sign): _____ Date: ____/____/____

1.1 Test of Laser Facility Emergency Stop (ES) Buttons in ATF

ROOM	Press Emgcy Stop Button	VERIFY at ACR			Retract ES button	Verify at ACR ES Input ON	Verify SOR on Main Pnl is OFF	Reset crash at Main Pnl with SOR Key	VERIFY at ACR			Verify SOR on Main Pnl is ON	Go to next Crash Button
		On Block I/O	ES Input OFF	On Operns Page					On Block I/O	SOR Input Mom ON	On Operns page		
ATF CR	ES1	CRBI/O	In 14 <input type="checkbox"/>	ATF Rooms Crash <input type="checkbox"/>		In 14 <input type="checkbox"/>	All ATF SORs <input type="checkbox"/>	All ATF SORs	N/A	N/A	ATF Rooms Crash OK <input type="checkbox"/>	All ATF SORs <input type="checkbox"/>	
Exp Hall	Cmb-ES1	EHBI/O	In 4 <input type="checkbox"/>	Exp Hall Crash <input type="checkbox"/>		In 4 <input type="checkbox"/>	<input type="checkbox"/>		EHBI/O-2	In 0 <input type="checkbox"/>	Exp Hall Crash OK <input type="checkbox"/>	<input type="checkbox"/>	
Exp Hall	Cmb-ES2	EHBI/O	In 4 <input type="checkbox"/>	Exp Hall Crash <input type="checkbox"/>		In 4 <input type="checkbox"/>	<input type="checkbox"/>		EHBI/O-2	In 0 <input type="checkbox"/>	Exp Hall Crash OK <input type="checkbox"/>	<input type="checkbox"/>	
Exp Hall	Cmb-ES3	EHBI/O	In 4 <input type="checkbox"/>	Exp Hall Crash <input type="checkbox"/>		In 4 <input type="checkbox"/>	<input type="checkbox"/>		EHBI/O-2	In 0 <input type="checkbox"/>	Exp Hall Crash OK <input type="checkbox"/>	<input type="checkbox"/>	
Exp Hall	Cmb-ES4	EHBI/O	In 4 <input type="checkbox"/>	Exp Hall Crash <input type="checkbox"/>		In 4 <input type="checkbox"/>	<input type="checkbox"/>		EHBI/O-2	In 0 <input type="checkbox"/>	Exp Hall Crash OK <input type="checkbox"/>	<input type="checkbox"/>	
Exp Hall	Cmb-ES5	EHBI/O	In 4 <input type="checkbox"/>	Exp Hall Crash <input type="checkbox"/>		In 4 <input type="checkbox"/>	<input type="checkbox"/>		EHBI/O-2	In 0 <input type="checkbox"/>	Exp Hall Crash OK <input type="checkbox"/>	<input type="checkbox"/>	
Fel Room	ES1	FRBI/O	In 2 <input type="checkbox"/>	Fel Room Crash <input type="checkbox"/>		In 2 <input type="checkbox"/>	<input type="checkbox"/>		FRBI/O-2	In 14 <input type="checkbox"/>	Fel Room Crash OK <input type="checkbox"/>	<input type="checkbox"/>	
Fel Room	ES2	FRBI/O	In 2 <input type="checkbox"/>	Fel Room Crash <input type="checkbox"/>		In 2 <input type="checkbox"/>	<input type="checkbox"/>		FRBI/O-2	In 14 <input type="checkbox"/>	Fel Room Crash OK <input type="checkbox"/>	<input type="checkbox"/>	
CO2 Main	ES1	C2BI/O	In 5 <input type="checkbox"/>	CO2 Main Crash <input type="checkbox"/>		In 5 <input type="checkbox"/>	<input type="checkbox"/>		C2BI/O-2	In 5 <input type="checkbox"/>	CO2 Main Crash OK <input type="checkbox"/>	<input type="checkbox"/>	
CO2 Main	ES2	C2BI/O	In 5 <input type="checkbox"/>	CO2 Main Crash <input type="checkbox"/>		In 5 <input type="checkbox"/>	<input type="checkbox"/>		C2BI/O-2	In 5 <input type="checkbox"/>	CO2 Main Crash OK <input type="checkbox"/>	<input type="checkbox"/>	
CO2 Amp	ES1	C2BI/O	In 4 <input type="checkbox"/>	CO2 Amp Crash <input type="checkbox"/>		In 4 <input type="checkbox"/>	<input type="checkbox"/>		C2BI/O-2	In 5 <input type="checkbox"/>	CO2 Amp Crash OK <input type="checkbox"/>	<input type="checkbox"/>	
CO2 Amp	ES2	C2BI/O	In 4 <input type="checkbox"/>	CO2 Amp Crash <input type="checkbox"/>		In 4 <input type="checkbox"/>	<input type="checkbox"/>		C2BI/O-2	In 5 <input type="checkbox"/>	CO2 Amp Crash OK <input type="checkbox"/>	<input type="checkbox"/>	

Table 1 – Test of Laser Facility Emergency Stop Buttons in ATF

ROOM	Press Emgey Stop Button	VERIFY at ACR			Retract ES button	Verify at ACR ES Input ON	Verify SOR on Main Pnl is OFF	Reset crash at Main Pnl with SOR Key	VERIFY at ACR			Verify SOR on Main Pnl is ON	Go to next Crash Button
		On Block I/O	ES Input OFF	On Operns Page					On Block I/O	SOR Input Mom ON	On Operns page		
Laser Lab	ES1	LLBI/O	In 2 <input type="checkbox"/>	Laser lab Crash <input type="checkbox"/>		In 2 <input type="checkbox"/>	<input type="checkbox"/>		LLBI/O	In 9 <input type="checkbox"/>	Laser Lab Crash OK <input type="checkbox"/>	<input type="checkbox"/>	
Laser Lab	ES2	LLBI/O	In 2 <input type="checkbox"/>	Laser lab Crash <input type="checkbox"/>		In 2 <input type="checkbox"/>	<input type="checkbox"/>		LLBI/O	In 9 <input type="checkbox"/>	Laser Lab Crash OK <input type="checkbox"/>	<input type="checkbox"/>	
Gun Hutch	ES1	GHBI/O	In 2 <input type="checkbox"/>	Gun Hutch Crash <input type="checkbox"/>		In 2 <input type="checkbox"/>	<input type="checkbox"/>		GHBI/O	In 8 <input type="checkbox"/>	Gun Hutch Crash <input type="checkbox"/>	<input type="checkbox"/>	
Vestibule 1	ES1	GHBI/O	In 2 <input type="checkbox"/>	Gun Hutch Crash <input type="checkbox"/>		In 2 <input type="checkbox"/>	<input type="checkbox"/>		GHBI/O	In 8 <input type="checkbox"/>	Gun Hutch Crash <input type="checkbox"/>	<input type="checkbox"/>	
Vestibule 1	ES2	LLBI/O	In 2 <input type="checkbox"/>	Laser lab Crash <input type="checkbox"/>		In 2 <input type="checkbox"/>	<input type="checkbox"/>		LLBI/O	In 9 <input type="checkbox"/>	Laser Lab Crash OK <input type="checkbox"/>	<input type="checkbox"/>	
Vestibule 1	ES3	YR2BI/O	In 2 <input type="checkbox"/>	Yag Room Crash <input type="checkbox"/>		In 2 <input type="checkbox"/>	<input type="checkbox"/>		YR2BI/O	In 15 <input type="checkbox"/>	Yag Room Crash OK <input type="checkbox"/>	<input type="checkbox"/>	
Yag Room	ES1	YR2BI/O	In 2 <input type="checkbox"/>	Yag Room Crash <input type="checkbox"/>		In 2 <input type="checkbox"/>	<input type="checkbox"/>		YR2BI/O	In 15 <input type="checkbox"/>	Yag Room Crash OK <input type="checkbox"/>	<input type="checkbox"/>	
Yag Room	ES2	YR2BI/O	In 2 <input type="checkbox"/>	Yag Room Crash <input type="checkbox"/>		In 2 <input type="checkbox"/>	<input type="checkbox"/>		YR2BI/O	In 15 <input type="checkbox"/>	Yag Room Crash OK <input type="checkbox"/>	<input type="checkbox"/>	

Table 1 cont'd – Test of Laser Facility Emergency Stop Buttons in ATF

☐ Check for acceptance of Test of Laser Facility Emergency Stop Buttons in ATF

END OF TEST PROCEDURE

TTL: Sign for completion of initial testing: _____

Date: ____/____/____

TTL: Sign for completion of final testing: _____

Date: ____/____/____